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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/643,962	08/20/2003	Robert D. Larsen	3395-117	5011	
22429	7590 06/01/2004		EXAM	EXAMINER	
	UPTMAN GILMAN AND ONAL ROAD	BERNER, LLP	HYEON,	НАЕ М	
SUITE 300 /3	310	·	ART UNIT	PAPER NUMBER	
ALEXANDR	ZIA, VA 22314		2839	 	
			DATE MAILED: 06/01/2004	1	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/643,962	LARSEN, ROBERT D.	
Office Action Summary	Examiner	Art Unit	
	Hae M Hyeon	2839	
The MAILING DATE of this communicate Period for Reply	ation appears on the cover sheet with	h the correspondence address	
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNIC. - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above, the maximum statutes for period for reply within the set or extended period for reply will Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	ATION. 37 CFR 1.136(a). In no event, however, may a rejication. lays, a reply within the statutory minimum of thirty only period will apply and will expire SIX (6) MONT	oly be timely filed (30) days will be considered timely. HS from the mailing date of this communication.	
Status		\$ · · ·	
1) Responsive to communication(s) filed	on 20 August 2002		
1 - -	This action is non-final.		•
3)☐ Since this application is in condition for			
closed in accordance with the practice	under Ex parte Quaylo 1935 C.D.	15, prosecution as to the ments is	•
	under Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1-40</u> is/are pending in the app	lication.		. •
4a) Of the above claim(s) is/are			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-40</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction	n and/or election requirement		
,	and of oldshort requirement.		
Application Papers			
9)⊠ The specification is objected to by the E	xaminer		**.
10)⊠ The drawing(s) filed on <u>20 August 2003</u>		cted to by the Evernines	
Applicant may not request that any objection	n to the drawing(s) he held in abeyance	Soc 27 CER 1 95(a)	
Replacement drawing sheet(s) including the	correction is required if the drawing(s)	is abjected to See 27 CED 4 424/4/	
11)☐ The oath or declaration is objected to by	the Examiner Note the attached (Office Action or form PTO 153	
	the Examinor. Note the attached C	office Action of form P10-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for	foreign priority under 35 U.S.C. § 1	19(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:		() (-) - (-)	
1. Certified copies of the priority doc	cuments have been received.		
2. Certified copies of the priority doc	cuments have been received in App	lication No	
3. Copies of the certified copies of the	ne priority documents have been re	ceived in this National Stage	•
application from the International	Bureau (PCT Rule 17 2(a))	oowed in this realional olage	
* See the attached detailed Office action fo		ceived	
	- In the second		
		•	
Attachment(s)			
1) Notice of References Cited (PTO-892)		(070 440)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-9	948) Paper No(s)/M	mary (PTO-413) lail Date	
3) Information Disclosure Statement(s) (PTO-1449 or PTO Paper No(s)/Mail Date 8/20/03.		mal Patent Application (PTO-152)	
U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)	Office Action Summary	Part of Panor No /Moil Date 0504	

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DETAILED ACTION

Drawings

1. New corrected drawings are required in this application because Figures 10-12 are too dark to recognize the structure of the contact of the instant invention. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Specification

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knowles (4,017,143) in view of Yaegashi (4,737,114).

In the present specification page 11, the second paragraph under "DETAILED DESCRIPTION" stated that the electrical contact 100 of the instant invention is similar to the

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electrical contact of Figs. 1-9, which disclosed in the reference of Knowles, with the exception that a slot 150 has been added to the C-shaped center portion 130. Thus, the examiner will not describe the structure of the contact 100 of Knowles, but only focus on the missing slot.

While Knowles does not disclose or teach the contact 100 having a slot Yaegashi discloses an electrical contact 3 having a compliant part 30 with a slot 33 that provides an easy fitting of the contact 3 into a small plated aperture 2 of a circuit board.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the contact taught by Knowles such that it would have a slot as taught by Yaegashi because the slot provides an easy fitting of the contact into a small plated aperture of a circuit board. Furthermore, a compliant part of an electrical contact having a slot is well known for providing press-fit insertion of the contact in the aperture of the circuit board by providing a sufficient holding force to hold the contact within the aperture of the circuit board

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent No. 5,199,908 by Sucheski, US Patent No. 5,823,830 by Wurster, US Patent No. 6,077,128 by Maag et al., US Patent No. 6,155,887 by Cuff et al., US Patent No. 6,619,999 B2 by Bright, and US Patent No. 6,565,392 B2 by Padro.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hae M Hyeon whose AU is 2839 and whose telephone number is 571-272-2093. The examiner can normally be reached on Mon.-Fri. (8:30-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D Feild can be reached on 571-272-2092. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the telephone number 571-272-2800 ext 39.

Any response to this action may be mailed to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

For additional information regarding this new address, which was effective May 1, 2003, see Correspondence with the United States Patent and Trademark Office, 68 Fed. Reg. 14332 (March 25, 2003).

Hae M Hyeon Examiner Art Unit 2839

hmh hmh

Hae Moon Hyeon